

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 013-03756	FOR FURTHER ACTION		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/IL2004/000188	International filing date (day/month/year) 25/02/2004	(Earliest) Priority Date (day/month/year)	
Applicant NANOMOTION LTD.			

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

MULTIDIRECTIONAL PIEZOELECTRIC MOTOR CONFIGURATION

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

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International application No.

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Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

A method of moving a body (23) comprising: coupling a plurality of piezoelectric motors (31, 32) to the body by pressing a coupling region (48) of each of the motors to a surface of the body; controlling at least one of the motors to apply a force parallel (53) to the surface to move the body; and simultaneously controlling at least one of the motors so that its coupling region executes only vibrations that are substantially perpendicular (51) to the surface.

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International Application No

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01L41/09

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01L H02N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/74153 A (RAFAELI IZHAK ; SHIV LIOR (IL); NANOMOTION LTD (IL)) 7 December 2000 (2000-12-07) cited in the application page 4, line 27 - page 6, line 12 page 15, line 24 - page 19, line 29 page 12, line 11 - page 13, line 32	1,16
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 14, 5 March 2001 (2001-03-05) & JP 2000 324863 A (SEIKO INSTRUMENTS INC), 24 November 2000 (2000-11-24) abstract figure 1	1,16

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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

18 October 2004

Date of mailing of the international search report

29/10/2004

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INTERNATIONAL SEARCH REPORT

International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 453 653 A (ZUMERIS JONA) 26 September 1995 (1995-09-26) cited in the application column 1, line 41 - column 3, line 27 figures 1A,5 -----	1,12,16, 22
A	WO 2004/012279 A (GANOR ZE EV ; NANOMOTION LTD (IL)) 5 February 2004 (2004-02-05) cited in the application page 2, line 5 - page 5, line 2 figures 2B,C -----	1,5,6,16

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IL2004/000188

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0074153	A	07-12-2000	WO 0074153 A1 AU 4056799 A EP 1186063 A1 JP 2003501988 T	07-12-2000 18-12-2000 13-03-2002 14-01-2003
JP 2000324863	A	24-11-2000	NONE	
US 5453653	A	26-09-1995	DE 69429744 D1 DE 69429744 T2 EP 0633616 A2 JP 7184382 A US 6064140 A US 5616980 A US 5877579 A	14-03-2002 14-08-2002 11-01-1995 21-07-1995 16-05-2000 01-04-1997 02-03-1999
WO 2004012279	A	05-02-2004	US 2004017134 A1 WO 2004012279 A2	29-01-2004 05-02-2004